

LIGHT SOURCE DEVICE

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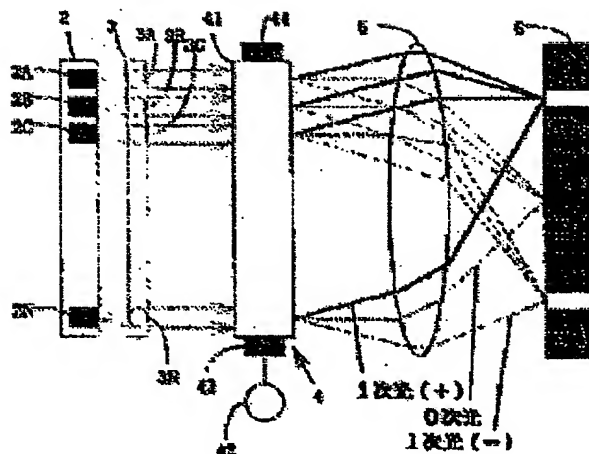
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Abstract of JP9126888

PROBLEM TO BE SOLVED: To accurately project a light of waveform necessary for measurement to an object to be measured and prevent the dispersion of light emitting intensity every wavelength. **SOLUTION:** This device includes a plurality of light sources 1A, 2B, 2C,...2N which have different wavelength characteristics respectively, and the respective lights emitted from the light sources are led to a condenser 4 through an optical fiber 5 and enter an acoustic optical filter 5. An acoustic wave driver 42 emits a high frequency specified according to the selected wavelength, and a transducer 43 converts it into an acoustic wave. The driver 42 separates only the selected wavelength among the lights entering the filter 5, and it emits it as a primary light. The other wavelengths are not separated yet and are emitted as a zero-order light. The outgoing lights are condensed by a condensing lens 6 and are projected to an object to be measured thereafter.



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